

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	1	10/556832	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/14 13:18
S3	52	Buchler near2 Christian	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/14 13:33
S4	0	(10/556832).APP.	USPAT; USOCR	OR	ON	2008/11/14 14:14
S5	3242	differential near5 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:52
S6	68861	differential near7 (main or side or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:53
S7	235	S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:53
S8	45900	objective near11 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:54
S9	6910	weight\$3 near11 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:55

S10	1	S7 and S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:55
S11	80	S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:55
S12	25839	(weight\$3 or mulitpl \$5) near11 error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:56
S13	1	S11 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:56
S14	171774	(weight\$3 or mulitpl \$5) near11 position	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:57
S15	1	S11 and S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:57
S16	7826	(weight\$3 or mulitpl \$5) near15 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:03
S17	1	S11 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:03

S18	150	S5 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:03
S19	7	S6 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:03
S20	4	"6963520"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:09
S21	193617	(weight\$3 or mulitpl \$5 or coefficient) near11 position	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:14
S22	247	(weight\$3 or mulitpl \$5 or coefficient) near11 (focus\$5 near3 error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:14
S23	739	(weight\$3 or mulitpl \$5 or coefficient) near11 (focus\$5 near7 (signal or error))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:15
S24	381	S16 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:15
S25	90295	differential near13 (main or side or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:16

S26	5	S24 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:16
S27	275321	(push-pull or differential or difference) near13 (main or side or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:17
S28	65	S23 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:18
S29	33	S8 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:19
S30	4633	(light or beam or spot) near5 (main and secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:57
S31	187305	(push-pull or differential or difference) near13 (light or beam or spot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:58
S32	1268	S30 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:58
S33	209	S8 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 16:58

S34	9724	(weight\$3 or multipl \$5 or coefficient) near11 (focus\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 17:00
S35	13	S33 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 17:00
S36	105712	"369"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 17:01
S37	64	S33 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 17:01
S38	817	"369"/44.41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:07
S39	275321	(push-pull or differential or difference) near13 (main or side or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:07
S40	210	S38 and S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:08
S41	45900	objective near11 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:08

S42	4633	(light or beam or spot) near5 (main and secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:09
S43	389	S41 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:09
S44	3	S40 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:09
S45	1	"6285636".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:12
S46	1	"6781930".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:13
S47	1	"6418105".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:17
S48	1	"6285636".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:17
S49	1	"6044050".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:18
S50	1	"4998234".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:18
S51	1	"5828634".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:18
S52	1	"5828634".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:18
S53	1	"5768232".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:19
S54	1	"4707817".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:20
S55	1	"5751680".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:20
S56	1	"5828634".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:20
S57	1	"5671199".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:21
S58	1	"5638350".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:21
S59	1	"5594711".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:21
S60	1	"5440535".PN.	USPAT; USOCR	OR	ON	2008/11/17 19:22

S61	22	"5828634"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:23
S62	28064	(push-pull or differential or difference) near13 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:10
S63	98	S43 and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:10
S64	48	S39 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:10
S65	109	S40 and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:12
S66	3	S42 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:12
S67	25839	(weight\$3 or mulitpl \$5) near11 error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:14
S68	2	S65 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:14

S69	9724	(weight\$3 or multipl \$5 or coefficient) near11 focus\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:16
S70	9	S65 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:17
S71	5	"6728173"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 20:19
S72	1	10/556832	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 13:08
S73	24	"6400664"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 13:47
S74	415	(main near3 beam) near17 differential	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:52
S75	2595	((land and groove) near5 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:53
S76	38857	((weight) near5 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:53



S77	3	S74 and S75 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:54
S78	1366	((land and groove) near7 detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:56
S79	1224	((main or zero) near5 (light or beam)) near17 (differential or (push-pull))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:57
S80	56	S78 and S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:57
S81	1	S76 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 15:58
S82	1	"5905703".PN.	USPAT; USOCR	OR	ON	2009/07/13 16:02
S83	16	"6388963"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/13 16:03
S84	1	10/556832	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/14 15:50
S85	3117	branch near3 weight \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 11:32

S86	55	Buchler near2 Christian	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 11:32
S87	5	S85 and S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 11:33
S88	21	"6388936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:29
S89	16	"6388963"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:30
S90	20917	(land or groove) near17 weight\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:33
S91	293	weight\$3 near7 (error near (focus \$5 or track\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:34
S92	5	S90 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:35
S93	378	weight\$3 near17 (error near (focus \$5 or track\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:35

S94	676	weight\$3 near17 (error near5 (focus \$5 or track\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:35
S95	1212	(land or groove) near17 (main near3 (beam or light))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:36
S96	5	S94 and S95	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:36
S97	1	"7280458".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:37
S98	2953	(land or groove or track) near17 (main near3 (beam or light))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:39
S99	437	(land or groove or track) near17 (secondary near3 (beam or light))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:40
S100	15	S94 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/27 13:41
S101	1	"6847599".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:43
S102	1	"6388963".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:43
S103	1	"6388963".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:43
S104	1	"5216652".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:43
S105	1	"5050153".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:44
S106	1	"6567355".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:45
S107	1	"6438077".PN.	USPAT; USOCR	OR	ON	2010/01/27 13:45

1/27/2010 4:01:00 PM

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